


<b>Search Notes</b>  	<b>Application/Control No.</b>  10765624	<b>Applicant(s)/Patent Under Reexamination</b>  BENSER ET AL.
	<b>Examiner</b>  Riutta, Anders	<b>Art Unit</b>  3709

### SEARCHED

Class	Subclass	Date	Examiner
600	26,27,484,531-538,547 (Text searched, See EAST search history.)	2/19/2008	alr
607	4,9,17-19 (Text searched, See EAST search history.)	2/19/2008	alr
A61	M021/00 (Text searched, See EAST search history.)	9/4/2007	alr
A61	B005/08 (Text searched, See EAST search history.)	9/4/2007	alr
A61	B005/02 (Text searched, See EAST search history.)	9/4/2007	alr
A61	B005/05 (Text searched, See EAST search history.)	9/4/2007	alr
A61	N001/00 (Text searched, See EAST search history.)	9/4/2007	alr
600	529	2/19/2008	alr
607	20, 42	2/19/2008	alr

### SEARCH NOTES

Search Notes	Date	Examiner
Contacted Primary George Evanisko for search.	8/1/2007	
Conducted EAST and PALM inventor name searches	8/29/2007	alr
Obtained PLUS search	6/22/07	alr
Google searches: "nondecreasing monotonic"	8/29/2007	alr
"tidal volume" relation diaphragm (stim* OR activat* OR pacing or pace*)	8/29/2007	alr
"proportional to tidal volume" diaphragm stim*	8/29/2007	alr
"Diaphragm Pacing" "tidal volume" airway	8/29/2007	alr
"diaphragm" pacing" "airway collapse"	8/29/2007	alr
" Diaphragm Pacing"	8/29/2007	alr
relationship "tidal volume" ((stimul* OR activ*) (power OR energy OR voltage))	8/29/2007	alr
Google Scholar searches: "proportional to tidal volume" diaphragm stim*	8/29/2007	alr
"diaphragm" pacing" "airway collapse"	8/29/2007	alr
"diaphragm pacing power" "airway collapse"	8/29/2007	alr
"diaphragm pacing" (power OR energy OR voltage OR current) "airway collapse"	8/29/2007	alr
"diaphragm pacing" (power OR energy OR voltage OR current)	8/29/2007	alr
"diaphragm pacing" "airway collapse"	8/29/2007	alr
Reviewed all prior art from IDSs	8/29/2007	alr
Reviewed examiner's search strategies and references cited for the following cases: US Appl No 10/951839, 11/417959, 10/883,85, 10/765625, US Pat 6904320, EP 0505195 A3, EP 1462146 A1	8/29/2007	alr
Review attached EAST search history for further information on EAST searching	8/30/2007	alr

## SEARCH NOTES

Search Notes	Date	Examiner
Google searches: ("Electrophrenic Respiration" OR "diaphragm pacing") ("control system" OR "feedback control")	8/30/2007	alr
("Electrophrenic Respiration" OR "diaphragm pacing") ("control system" OR "feedback control") (limit OR level OR threshold)	8/30/2007	alr
"diaphragm pacing" "control system" "tidal volume"	8/30/2007	alr
("Electrophrenic Respiration" OR "diaphragm pac") ("control system" OR "feedback control") (airway (clos* OR occlud*))	8/30/2007	alr
Google Scholar searches: ("Electrophrenic Respiration" OR "diaphragm pacing") ("control system" OR "feedback control") (limit OR level OR threshold)	8/30/2007	alr
("Electrophrenic Respiration" OR "diaphragm pac") ("control system" OR "feedback control") (airway (clos* OR occlud*))	8/30/2007	alr
"Electrophrenic Respiration" control	8/30/2007	alr
"feedback control of diaphragm pacing"	8/30/2007	alr
("Electrophrenic Respiration" OR "diaphragm pacing") ("control system" OR "feedback control")	8/30/2007	alr
Updated search	2/19/2008	alr

## INTERFERENCE SEARCH

Class	Subclass	Date	Examiner